

ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1					1. DATE (YYMMDD) 030827		Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.								
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.								
4. ORIGINATOR			b. ADDRESS (Street, City, State, Zip Code)			5. CLASS OF ECP		
a. TYPED NAME (First, Middle Initial, Last) <b>BARNES &amp; REINECKE, INC.</b>			<b>425 EAST ALGONQUIN ROAD ARLINGTON HEIGHTS, IL 60005-4683</b>			<b>I</b>		
8. ECP DESIGNATION			9. BASELINE AFFECTED			6. JUST. CODE		
a. MODEL/TYPE M109			b. CAGE CODE 19207			c. SYSTEM DESIGNATION HOWITZER, MEDIUM, SP, 155MM		
						<input type="checkbox"/> FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT <input type="checkbox"/> ALLOCATED		
d. ECP NO. BRI-U4353			e. TYPE F		f. REV		10. OTHER SYS./CONFIG. ITEMS AFFECTED	
							<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
11. SPECIFICATIONS AFFECTED					12. DRAWINGS AFFECTED			
CAGE CODE					Specification/Document No.			
a. SYSTEM					b. DEVELOPMENT			
c. PRODUCT								
13. TITLE OF CHANGE FRONT SLOPE PLATE REPLACEMENT KIT								
14. CONTRACT NO. AND LINE ITEM FUTURE CONTRACTS					15. PROCURING CONTRACTING OFFICER			
					a. NAME (First, Middle Initial, Last) NA			
					b. CODE NA			
					c. TELEPHONE NO. NA			
16. CONFIGURATION ITEM NOMENCLATURE HOWITZER, MEDIUM, SELF-PROPELLED, 155MM, M109A2-A5/A6/M992 SERIES							17. IN PRODUCTION	
							NA YES NA NO	
18. ALL LOWER LEVEL ITEMS AFFECTED								
a. NOMENCLATURE BLOCK SUPPORT					b. PART NO. 12389659		c. NSN NA	
19. DESCRIPTION OF CHANGE THE MACHINING OPERATIONS FOR THE TRANSMISSION DOOR SUPPORT BLOCK 10897222 IS TO BE PERFORMED AT A PRIOR STEP/LEVEL WITH EXCEPTION OF THE MOUNTING HOLE. (SEE BLOCK 19 CONTINUATION ON PAGE 1A)								
20. NEED FOR CHANGE MACHINING OPERATIONS ON INSTALLATION INSTRUCTIONS 12389718 ARE DIFFICULT FOR DS/GS SHOP PERSONNEL TO FOLLOW. REF.: EPR NO. 4082 (CO-USER IMPACT NOT REQUIRED)								
21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER NA					22. EFFECT ON PRODUCTION DELIVERY SCHEDULE NA			
23. RETROFIT								
a. RECOMMENDED ITEM EFFECTIVITY NA					b. SHIP / VEHICLE CLASS AFFECTED NA			
c. ESTIMATED KIT DELIVERY SCHEDULE NA					d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED NA			
24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT NA					25. ESTIMATED NET TOTAL COSTS / SAVINGS SEE PAGE 4			
26. SUBMITTING ACTIVITY					b. TITLE			
a. AUTHORIZED SIGNATURE <i>Dee Wisniewski</i>					CONFIGURATION COORDINATOR			
27. APPROVAL / DISAPPROVAL					CCB # P/F 233			
a. CLASS I			b. CLASS II			c. CLASS II		
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED			<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			<input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE		
d. GOVERNMENT ACTIVITY <i>PM PALADIN / FAASU</i>			e. SIGNATURE <i>Keith S. Smith</i>			f. DATE SIGNED (YYMMDD) 031010		
g. APPROVAL <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			h. GOVERNMENT ACTIVITY <i>Don I. Lane</i>			j. DATE SIGNED (YYMMDD) 10/23/03		

[illegible]

**ENGINEERING CHANGE PROPOSAL (ECP), PAGE 3**Form Approved  
OMB No. 0704-0188

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ECP NUMBER  
**BRI-U4353**

**EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS**

(X)	FACTOR	ENCL	PAR.	(X)	FACTOR	ENCL.	PAR.
	<b>37. EFFECT ON PRODUCT CONFIGURATION DOCUMENTATION OR CONTRACT</b>				<b>39. EFFECT ON OPERATIONAL EMPLOYMENT</b>		
<input type="checkbox"/>	a. PERFORMANCE			<input type="checkbox"/>	a. SAFETY		
<input type="checkbox"/>	b. WEIGHT-BALANCE-STABILITY (Aircraft)			<input type="checkbox"/>	b. SURVIVABILITY		
<input type="checkbox"/>	c. WEIGHT-MOMENT (Other equipment)			<input type="checkbox"/>	c. RELIABILITY		
<input type="checkbox"/>	d. CDRL, TECHNICAL DATA			<input type="checkbox"/>	d. MAINTAINABILITY		
<input type="checkbox"/>	e. NOMENCLATURE			<input type="checkbox"/>	e. SERVICE LIFE		
<input checked="" type="checkbox"/>	f. DRAWINGS			<input type="checkbox"/>	f. PERATING PROCEDURES		
	<b>38. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS</b>			<input type="checkbox"/>	g. ELECTROMAGNETIC INTERFERENCE		
<input type="checkbox"/>	a. ILS PLANS			<input type="checkbox"/>	h. ACTIVATION SCHEDULE		
<input type="checkbox"/>	b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES			<input type="checkbox"/>	i. CRITICAL SINGLE POINT FAILURE ITEMS		
<input type="checkbox"/>	c. LOGISTICS SUPPORT ANALYSES			<input type="checkbox"/>	j. INTEROPERABILITY		
<input type="checkbox"/>	d. INTERIM SUPPORT PROGRAMS						
<input type="checkbox"/>	e. SPARES AND REPAIR PARTS						
<input checked="" type="checkbox"/>	f. TECH MANUAL/PROGRAMMING TAPES				<b>40. OTHER CONSIDERATIONS</b>		
<input type="checkbox"/>	g. FACILITIES			<input type="checkbox"/>	a. INTERFACE		
<input type="checkbox"/>	h. SUPPORT EQUIPMENT			<input type="checkbox"/>	b. OTHER AFFECTED EQUIPMENT/GFE/GFP		
<input type="checkbox"/>	i. OPERATOR TRAINING			<input type="checkbox"/>	c. PHYSICAL CONSTRAINTS		
<input type="checkbox"/>	j. OPERATOR TRAINING EQUIPMENT			<input type="checkbox"/>	d. COMPUTER PROGRAMS AND RESOURCES		
<input type="checkbox"/>	k. MAINTENANCE TRAINING			<input type="checkbox"/>	e. REWORK OF OTHER EQUIPMENT		
<input type="checkbox"/>	l. MAINTENANCE TRAINING EQUIPMENT			<input type="checkbox"/>	f. SYSTEM TEST PROCEDURES		
<input type="checkbox"/>	m. CONTRACT MAINTENANCE			<input type="checkbox"/>	g. WARRANTY/GUARANTEE		
<input checked="" type="checkbox"/>	n. PACKAGING, HANDLING, STORAGE, TRANSPORTABILITY			<input type="checkbox"/>	h. PARTS CONTROL		
				<input type="checkbox"/>	i. LIFE CYCLE COSTS		

**41. ALTERNATE SOLUTIONS**

NA

**42. DEVELOPMENTAL STATUS**

NA

**43. RECOMMENDATIONS FOR RETROFIT**

PS MAGAZINE ARTICLE CAN BE USED TO INFORM THE TROOPS OF THE KIT AND INSTRUCTIONS. SINCE THE THREE REPAIR KITS HAVE BEEN PURCHASED, THE NEW MACHINED FRONT SLOPE PLATES COULD BE PURCHASED AND REPLACE THE CURRENT PLATES IN THE KITS.

**44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KITS**

a. ORGANIZATION    b. INTERMEDIATE    c. DEPOT    d. OTHER

**45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT**

NA

**46. THIS CHANGE MUST BE ACCOMPLISHED**

☐ BEFORE    ☐ WITH    ☐ AFTER THE FOLLOWING CHANGES

**47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?**

☐ YES    ☒ NO

**48. OUT OF SERVICE TIME****49. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON ITEM**

NA

**50. DATE CONTRACTUAL AUTHORITY NEEDED FOR (YYMMDD)**

a. PRODUCTION

NA

b. RETROFIT

NA



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ECP NUMBER  
**BRI-U4353**

**EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS**

(X)	FACTOR	ENCL	PAR.	(X)	FACTOR	ENCL	PAR.
	<b>37. EFFECT ON PRODUCT CONFIGURATION DOCUMENTATION OR CONTRACT</b>				<b>39. EFFECT ON OPERATIONAL EMPLOYMENT</b>		
<input type="checkbox"/>	a. PERFORMANCE			<input type="checkbox"/>	a. SAFETY		
<input type="checkbox"/>	b. WEIGHT-BALANCE-STABILITY ( <i>Aircraft</i> )			<input type="checkbox"/>	b. SURVIVABILITY		
<input type="checkbox"/>	c. WEIGHT-MOMENT ( <i>Other equipment</i> )			<input type="checkbox"/>	c. RELIABILITY		
<input type="checkbox"/>	d. CDRL, TECHNICAL DATA			<input type="checkbox"/>	d. MAINTAINABILITY		
<input type="checkbox"/>	e. NOMENCLATURE			<input type="checkbox"/>	e. SERVICE LIFE		
<input checked="" type="checkbox"/>	f. DRAWINGS			<input type="checkbox"/>	f. PERATING PROCEDURES		
	<b>38. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS</b>			<input type="checkbox"/>	g. ELECTROMAGNETIC INTERFERENCE		
<input type="checkbox"/>	a. ILS PLANS			<input type="checkbox"/>	h. ACTIVATION SCHEDULE		
<input type="checkbox"/>	b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES			<input type="checkbox"/>	i. CRITICAL SINGLE POINT FAILURE ITEMS		
<input type="checkbox"/>	c. LOGISTICS SUPPORT ANALYSES			<input type="checkbox"/>	j. INTEROPERABILITY		
<input type="checkbox"/>	d. INTERIM SUPPORT PROGRAMS						
<input type="checkbox"/>	e. SPARES AND REPAIR PARTS				<b>40. OTHER CONSIDERATIONS</b>		
<input checked="" type="checkbox"/>	f. TECH MANUAL/PROGRAMMING TAPES			<input type="checkbox"/>	a. INTERFACE		
<input type="checkbox"/>	g. FACILITIES			<input type="checkbox"/>	b. OTHER AFFECTED EQUIPMENT/GFE/GFP		
<input type="checkbox"/>	h. SUPPORT EQUIPMENT			<input type="checkbox"/>	c. PHYSICAL CONSTRAINTS		
<input type="checkbox"/>	i. OPERATOR TRAINING			<input type="checkbox"/>	d. COMPUTER PROGRAMS AND RESOURCES		
<input type="checkbox"/>	j. OPERATOR TRAINING EQUIPMENT			<input type="checkbox"/>	e. REWORK OF OTHER EQUIPMENT		
<input type="checkbox"/>	k. MAINTENANCE TRAINING			<input type="checkbox"/>	f. SYSTEM TEST PROCEDURES		
<input type="checkbox"/>	l. MAINTENANCE TRAINING EQUIPMENT			<input type="checkbox"/>	g. WARRANTY/GUARANTEE		
<input checked="" type="checkbox"/>	m. CONTRACT MAINTENANCE			<input type="checkbox"/>	h. PARTS CONTROL		
<input type="checkbox"/>	n. PACKAGING, HANDLING, STORAGE, TRANSPORTABILITY			<input type="checkbox"/>	i. LIFE CYCLE COSTS		

**41. ALTERNATE SOLUTIONS**

NA

**42. DEVELOPMENTAL STATUS**

NA

**43. RECOMMENDATIONS FOR RETROFIT**

PS MAGAZINE ARTICLE CAN BE USED TO INFORM THE TROOPS OF THE KIT AND INSTRUCTIONS. SINCE THE THREE REPAIR KITS HAVE BEEN PURCHASED, THE NEW MACHINED FRONT SLOPE PLATES COULD BE PURCHASED AND REPLACE THE CURRENT PLATES IN THE KITS. THIS PURCHASE IS A ONE TIME PURCHASE TO COVER THE M109 FOV AND M992A2.

**44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KITS**

a. ORGANIZATION    b. INTERMEDIATE    c. DEPOT    d. OTHER

**45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT**

NA

**46. THIS CHANGE MUST BE ACCOMPLISHED**

☐ BEFORE    ☐ WITH    ☐ AFTER THE FOLLOWING CHANGES

**47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?**

☐ YES    ☒ NO

**48. OUT OF SERVICE TIME****49. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON ITEM**

NA

**50. DATE CONTRACTUAL AUTHORITY NEEDED FOR (YYMMDD)**

a. PRODUCTION

NA

b. RETROFIT

NA

**ENGINEERING CHANGE PROPOSAL (ECP), PAGE 4**Form Approved  
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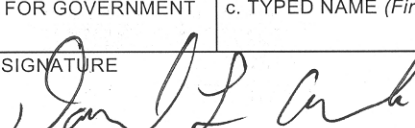
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**ECP NUMBER**  
**BRI-U4353**

**51. ESTIMATED NET TOTAL COST IMPACT** (Use parentheses for savings)

FACTOR	COST / SAVINGS UNDER CONTRACT					Other Costs/ Savings to the Government (f)
	Non- Recurring (a)	Unit (b)	Quantity (c)	Total (Recurring) (d)	Total (e)	
<b>a. PRODUCTION COSTS / SAVINGS</b>						
(1) CONFIGURATION ITEM / CSCI						
(2) FACTORY TEST EQUIPMENT						
(3) SPECIAL FACTORY TOOLING						
(4) SCRAP						
(5) ENGINEERING, ENGINEERING DATA REVISION	\$8,526.00				\$8,526.00	
(6) REVISION OF TEST PROCEDURES						
(7) QUALIFICATION OF NEW ITEMS						
(8) SUBTOTAL OF PROD COSTS / SAVINGS	\$8,526.00				\$8,526.00	
<b>b. RETROFIT COSTS</b>						
(1) ENGINEERING DATA REVISION						
(2) PROTOTYPE TESTING						
(3) KIT PROOF TESTING						
(4) RETROFIT KITS FOR OPERATIONAL SYSTEMS						
(5) PREP. OF MWO/TCTO/SC/ALT/TD	\$300.00				\$300.00	
(6) SPECIAL TOOLING FOR RETROFIT						
(7) INSTALLATION - CONTRACTOR PERSONNEL						
(8) INSTALLATION - GOVERNMENT PERSONNEL						
(9) TESTING AFTER RETROFIT						
(10) MODIFICATION OF GFE/GFP						
(11) QUALIFICATION OF GFE/GFP						
(12) SUBTOTAL OF RETROFIT COSTS/SAVINGS	\$300.00				\$300.00	
<b>c. INTEGRATED LOGISTICS SUPPORT COSTS/SAVINGS</b>						
(1) SPARES/REPAIR PARTS REWORK						
(2) NEW SPARES AND REPAIR PARTS	\$12,000.00				\$12,000.00	
(3) SUPPLY/PROVISIONING DATA						
(4) SUPPORT EQUIPMENT						
(5) RETROFIT KITS FOR SPARES						
(6) OPERATOR TRAINING COURSES						
(7) MAINTENANCE TRAINING COURSES						
(8) REVISION OF TECH MANUALS	\$300.00				\$300.00	
(9) NEW TECH MANUALS						
(10) TRAINING/TRAINERS						
(11) INTERIM SUPPORT						
(12) MAINTENANCE MANPOWER						
(13) COMPUTER PROGRAMS/DOCUMENTATION						
(14) SUBTOTAL OF ILS COSTS/SAVINGS	\$12,300.00				\$12,300.00	
<b>d. OTHER COST/SAVINGS</b>						
<b>e. SUBTOTAL COSTS/SAVINGS</b>	\$21,126.00				\$21,126.00	
(1) SUBTOTAL UNDER CONTRACT						\$21,126.00
<b>f. COORDINATION OF CHANGES WITH OTHER CONTRACTORS</b>						
<b>g. COORDINATION CHANGES BY GOVERNMENT</b>						
<b>h. ESTIMATED NET TOTAL COSTS/SAVINGS</b>						\$21,126.00

<b>NOTICE OF REVISION (NOR)</b> THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED.		<b>1. DATE (YYMMDD)</b> 030827	Form Approved OMB No. 0704-0188
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			<b>3. DODAAC</b>
<b>4. ORIGINATOR</b> a. TYPED NAME (First, Middle Initial, Last) <b>BARNES &amp; REINECKE, INC.</b>		b. ADDRESS (Street, City, State, Zip Code) <b>425 EAST ALGONQUIN ROAD</b> <b>ARLINGTON HEIGHTS, IL 60005-4683</b>	<b>5. CAGE CODE</b> 85336 <b>7. CAGE CODE</b> 19207
<b>6. NOR NO.</b> 1 OF 6		<b>8. DOCUMENT NO.</b> 12389659	
<b>9. TITLE OF DOCUMENT</b> BLOCK, SUPPORT		<b>10. REVISION LETTER</b> a. CURRENT PRELIM	
		b. NEW	
<b>11. ECP NO.</b> BRI-U4353			<b>12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b> HOWITZER, MEDIUM, SELF-PROPELLED, 155MM, M109A2-A5/A6/M992
<b>13. DESCRIPTION OF REVISION</b>  <b>SEE NOR CONTINUATION SHEET 2 OF 2 FOR PROPOSED NEW DRAWING</b>			
<b>14. THIS SECTION FOR GOVERNMENT USE ONLY</b>			
a. (X one) <input type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE		e. SIGNATURE 	
		f. DATE SIGNED (YYMMDD) 10/23/03	
15.a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (Signature)	
		c. DATE SIGNED (YYMMDD)	

TIME	DATE	REVISION	DATE (AS-AP-20)	APPROVED
1	19207	DESCRIPTION		
2		PRODUCT BASELINE	(DATE)	-
3		ERR		

8 7 6 3 4 3 2 1

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATIONS:

A. MIL-STD-100E

B. ASME Y14.5M-1994

2. MATERIAL:

ALUMINUM ALLOY, ASTM B209:

(5083) A095083, TEMPER H321.

1.50 STOCK.

OPTIONAL MATERIAL:

ALUMINUM ALLOY ARMOR PLATE, 5083,

MIL-DTL-46027

1.50 STOCK.

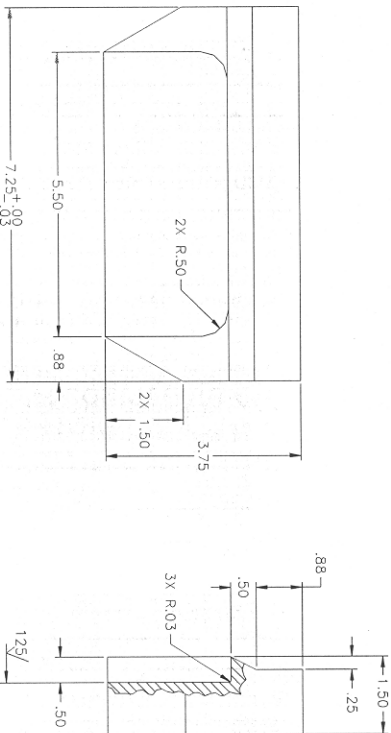
OPTIONAL MATERIAL:

ALUMINUM ALLOY, ASTM B209,

(5456) A095456, TEMPER H321.

1.50 STOCK.

3. MUST BE FREE OF BURRS  
AND SHARP EDGES.



PRELIMINARY 03-05-14  
PROJECT NUMBER 851-4082

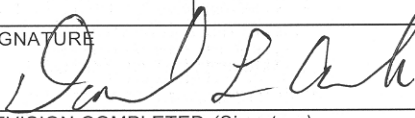
DISTRIBUTION STATEMENT A  
APPROVED FOR PUBLIC RELEASE;  
DISTRIBUTION IS UNLIMITED.

PART NO. 12389659

NOR CONTINUATION SHEET 2 OF 2  
ECP BR-14353 NOR NO. 1  
PROPOSED NEW DRAWING

PMIC NA	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	CONTRACT NUMBER C-123-57-C-0255	DESIGN ACTIVITY U.S. ARMY TANK-AUTOMOTIVE AND REPAIRS COMMAND WARREN, MICHIGAN 48391-5000
12389718	± .03	BOB'S & RICHIE'S, INC. 1000 N. 10TH ST. MILWAUKEE, WI 53233	BLOCK, SUPPORT
12389717	± .03	CHIEFER ENGINEER 81-05-24	DATE: 03-05-14
12389717	± .03	DESIGN APPROVAL	SCALE 1/1
12389717	± .03	DATE: 03-05-14	SHEET 1
12389717	± .03	DATE: 03-05-14	SHEET 1

8 7 6 3 4 3 2 1

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b. ADDRESS (Street, City, State, Zip Code) <b>425 EAST ALGONQUIN ROAD          ARLINGTON HEIGHTS, IL 60005-4683</b>		5. CAGE CODE 85336	6. NOR NO. 2
		7. CAGE CODE 19207	8. DOCUMENT NO. 12389716
9. TITLE OF DOCUMENT PLATE, FRONT, SLOPE, MACHINING		10. REVISION LETTER a. CURRENT A	
		b. NEW	
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES HOWITZER, MEDIUM, SELF-PROPELLED, 155MM, M109A2-A5/A6/M992			11. ECP NO. BRI-U4353
13. DESCRIPTION OF REVISION <b>ZONE G,H-15,16</b> <b>UNDER NOTES COLUMN:</b> <b>CHANGE FROM: "3. FINISH:</b> CLEAN AND TREAT PER SPEC MIL-C-5541 SURFACE WITHIN AREA INDICATED <u>III</u> = <u>III</u> SHALL HAVE A NON-SKID SURFACE PAINTED WITH EPOXY AND FILLED WITH SILICON CARBIDE PARTICLES PER DRAWING 12308492. COATING DIMENSION TOLERANCES ± .50. PRIME PER SPEC MIL-P-23377 OR MIL-P-53030 OR MIL-P-53022 ON ALL SURFACES. DRY FILM THICKNESS 0.8 – 1.2 MILS. TOP COAT COLOR GREEN 383 PER SPEC MIL-C-46168 OR MIL-C-53039 DRY FILM THICKNESS 1.8 MILS MINIMUM."			
<b>TO: "3. FINISH:</b> CLEAN AND TREAT PER SPEC MIL-C-5541, CLASS A1. SURFACE WITHIN AREA INDICATED <u>III</u> = <u>III</u> SHALL HAVE A NON-SKID SURFACE PAINTED WITH EPOXY AND FILLED WITH SILICON CARBIDE PARTICLES PER DRAWING 12308492. COATING DIMENSION TOLERANCES ± .50. PRIME PER SPEC MIL-PRF-23377 OR MIL-P-53030 OR MIL-P-53022 ON ALL SURFACES. DRY FILM THICKNESS 0.8 – 1.2 MILS. TOP COAT COLOR GREEN 383 PER SPEC MIL-C-46168 OR MIL-C-53039. DRY FILM THICKNESS 1.8 MILS MINIMUM."			
<b>14. THIS SECTION FOR GOVERNMENT USE ONLY</b>			
a. (X one) <input type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE		e. SIGNATURE 	
f. DATE SIGNED (YYMMDD) 10/23/03			
15.a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (Signature)	
		c. DATE SIGNED (YYMMDD)	



# **NOTICE OF REVISION (NOR)** **CONTINUATION SHEET**

*THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED.*

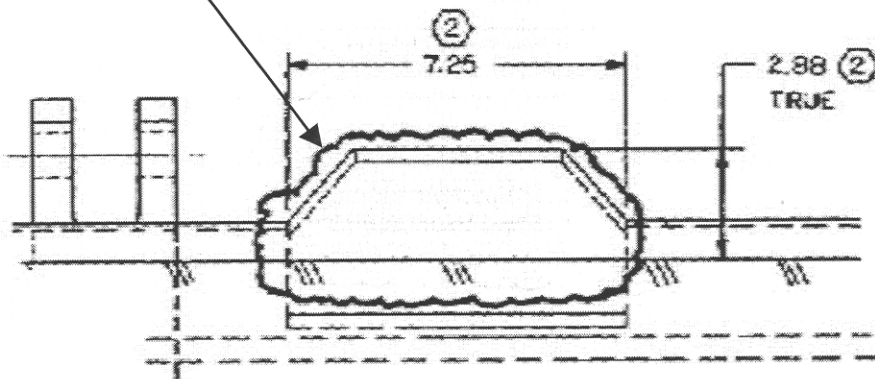
<b>DATE:</b> 030827	<b>ECP NUMBER:</b> BRI-U4353	<b>NOR SHEET NUMBER:</b> 2	<b>NOR NUMBER:</b> 2
<b>CAGE CODE:</b> 19207	<b>DOCUMENT NUMBER:</b> 12389716	<b>DOCUMENT TITLE:</b> PLATE, FRONT, SLOPE, MACHINING	

## **DESCRIPTION OF REVISION**

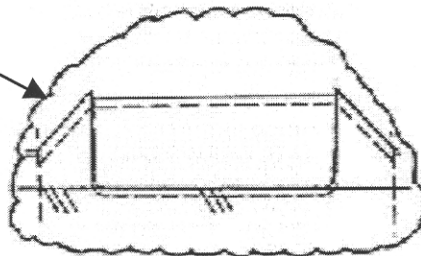
### **ZONE E.F-7.8.9**

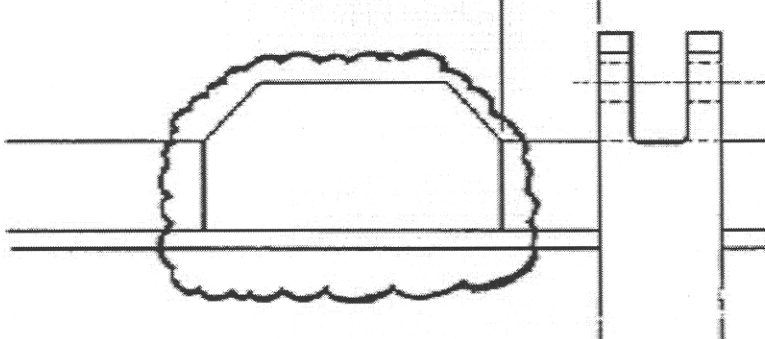
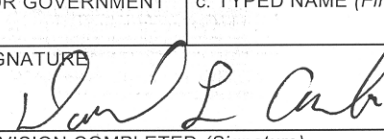
**CHANGE PICTORIAL AS SHOWN BELOW**

**FROM:**



**TO:**



<b>NOTICE OF REVISION (NOR)</b>		1. DATE (YYMMDD) 030827	Form Approved OMB No. 0704-0188
THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED.			
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503.		2. PROCURING ACTIVITY NO. BRI-U4353	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.		3. DODAAC	
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code)	5. CAGE CODE	6. NOR NO.
a. TYPED NAME (First, Middle Initial, Last) <b>BARNES &amp; REINECKE, INC.</b>	<b>425 EAST ALGONQUIN ROAD ARLINGTON HEIGHTS, IL 60005-4683</b>	85336	3
		7. CAGE CODE 19207	8. DOCUMENT NO. 12389717
9. TITLE OF DOCUMENT		10. REVISION LETTER	
PLATE, FRONT, SLOPE, WELDMENT		a. CURRENT A	b. NEW
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES			11. ECP NO.
HOWITZER, MEDIUM, SELF-PROPELLED, 155MM, M109A2-A5/A6/M992			BRI-U4353
13. DESCRIPTION OF REVISION			
<u>ZONE G-21,22</u>			
UNDER NOTES COLUMN:			
CHANGE FROM: "2. WELDING, ALUMINUM ALLOY ARMOR, WELD IN ACCORDANCE WITH TYPE A SPEC MIL-STD-1946."			
TO: "2. WELDING, ALUMINUM ALLOY ARMOR, WELD IN ACCORDANCE WITH DRAWING 12472301."			
<u>ZONE D,E-16,17,18</u>			
CHANGE PICTORIAL FROM:			
			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one)	<input type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.		
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT		c. TYPED NAME (First, Middle Initial, Last)	
d. TITLE		e. SIGNATURE	
			
		f. DATE SIGNED (YYMMDD) 10/23/03	
15.a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (Signature)	
		c. DATE SIGNED (YYMMDD)	